

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F16L55/134

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F16L F16K E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 467 835 A (CHAMBLEBOUX JACQUES) 28 August 1984 (1984-08-28) the whole document	1-6
A	US 5 778 982 A (BASKI HENRY A ET AL) 14 July 1998 (1998-07-14) column 13, line 28 - line 36; figures	1,2
A	US 5 702 109 A (BLIN PHILIPPE ET AL) 30 December 1997 (1997-12-30) abstract; figures	1,2
A	GB 2 275 066 A (XL TECHNOLOGY LIMITED) 17 August 1994 (1994-08-17) figures	1,2

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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- "&" document member of the same patent family

Date of the actual completion of the international search

21 September 2004

Date of mailing of the international search report

29/09/2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/006240

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 4467835	A 28-08-1984	FR CA GB IT NL	2506893 A1 1177762 A1 2099541 A , B 1156021 B 8202108 A , B,	03-12-1982 13-11-1984 08-12-1982 28-01-1987 16-12-1982
US 5778982	A 14-07-1998		NONE	
US 5702109	A 30-12-1997	FR CA DE EP WO NO	2706575 A1 2164336 A1 69410461 D1 0702747 A1 9500738 A1 955121 A	23-12-1994 05-01-1995 25-06-1998 27-03-1996 05-01-1995 15-02-1996
GB 2275066	A 17-08-1994		NONE	